Albuquerque Clean Cities Program

Designation Number	Date	Participating DOE Official
11	June 1, 1994	Christine Ervin, Assistant Secretary, Energy Efficiency and Renewable Energy

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	-	344	-	34
Propane	-	10	-	-
Ethanol	-	14	-	-
Electric	-	28	-	1
Fuel Unspecified	351	-	3	-
Total	351	396	3	35

Achievements

In 1996, the Albuquerque Clean Cities Coalition held two training programs for fleet operators, through a state-funded program at the College of Santa Fe. Sixteen mechanics were trained to work on CNG vehicles at these programs.

In 1997, the Albuquerque Clean Cities Coalition added the City and County of Santa Fe to its program.

In 1998, the Albuquerque Clean Cities Coalition held a Fleet Manager's Workshop and an *Advancing the Choice* event.

Grants Received

In 1995, the Albuquerque/Santa Fe area was awarded a \$46,000 NOPI grant from DOE to develop and administer an alternative fuel vehicle technician training and certification program, and to establish an emissions testing program to evaluate the benefits of alternative fuel vehicles. Stakeholders include New

Mexico Energy, Minerals and Natural Resources Dept., city of Albuquerque, Gas Company of New Mexico, Santa Fe Community College, and Albuquerque Technical Vocational Institute.

In 1997, the Albuquerque area was awarded a \$50,000 SEP grant to plan alternative fuel usage at Albuquerque International Airport. In 1999, the Albuquerque area received two SEP grants; one for \$100,000 to fund an AFV school bus project, and one for \$20,000 to fund the Albuquerque Clean Cities Coordinator.

Fuelmaker CNG Refueling Appliances in Albuquerque



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Albuquerque Clean Cities Program

Special Projects and Upcoming Events

In 1999, the Albuquerque Clean Cities Coalition plans to install a fast-fill CNG refueling station at the Parks and General Services Department with City and Federal CMAQ funding.

Original Stakeholders List

Eight stakeholders including: the city of Albuquerque; State of New Mexico; New Mexico Energy, Minerals and Natural Resources Department; Gas Company of New Mexico; Public Service Company of New Mexico; U.S. EPA-Region 6; U.S. GSA Region 6; and U.S. DOE-Region 6.

Significant Stakeholders Added Since Designation

Albuquerque Technical Vocational Institute; Bernalillo County Commission; City of Rio Rancho; City of Santa Fe; Santa Fe Community College; Santa Fe Trails Public Transit; and University of New Mexico.

Clean Cities Coordinator

Mike Minturn, Resource Management Parks and General Service Department, City of Albuquerque 1801 Fourth Street, NW - P.O. Box 1293 Albuquerque, NM 87103

Phone: (505) 768-5357 Fax: (505) 768-5305 E-mail: mminturn@cabq.gov

Coalition Web Site

None at this time.

A-104 October 1999

Capital District Clean Communities (Albany)

Designation Number	Date	Participating DOE Official
70	April 26, 1999	Dan Reicher, Assistant Secretary for Energy Efficiency and Renewable Energy

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	90	150	4	10
Propane	11	12	3	3
Methanol	22	23	1	1
Ethanol	-	1	-	-
Electric	12	36	-	9
Fuel Unspecified	-	21	-	-
Total	135	243	8	23

Achievements

Shenendehowa Central School District, a Capital District Clean Communities (CDCC) stakeholder, currently operates a fleet of 28 CNG school buses out of a total of 173 buses. This is the highest proportion of AFVs of any school bus fleet in New York State. These buses are refueled at an on-site CNG refueling station on loan from Niagara Mohawk Power Corporation. The school system began converting buses to CNG in 1991, motivated by residents' concerns about air quality.

Schenectady County currently has a fleet of 16 OEM CNG vehicles and 28 converted CNG vehicles. These

Stacey Hughes of Niagara Mohawk with a Schenectady County CNG Snowplow



vehicles refuel at an onsite CNG refueling station. The county has become a registered motor fuel distributor, which allows the county to open the station for use by other public and private entities.

Prior to their designation, the CDCC held a contest for Schenectady area school students to design the official logo for the coalition. Stakeholders including the Schenectady County Association of Highway Officials, Aurora Technologies, Cummins Engine Company, Matthews Buses, and Niagara Mohawk Power Company donated a total of \$850 in savings bonds for student awards.

A-105 October 1999

Capital District Clean Communities (Albany)

Grants Received

The Capital District area received an ICLEI grant in 1997 of \$28,000 to support the operation of a CNG shuttle van in Schenectady County.

Special Projects and Upcoming Events

Shenendehowa Central School District is planning to acquire its own slow-fill CNG refueling station, as well as expand the fleet of CNG vehicles.

Schenectady County is considering adding some electric vehicles to its fleet. In addition, the county plans to purchase some heavy-duty CNG vehicles.

Original Stakeholders List

Forty-two stakeholders including: Ace Courier Express; Agway Energy Products; Albany International Airport Authority; Albany Ladder Company, Inc.; Alternative Cars & Trucks; American Lung Association; Biofuels America; Capital District Regional Planning Commission; Capital District Transportation Authority; Capital District Transportation Committee; Center for Economic Growth; City of Schenectady; Cummins Northeast, Inc.; Environmental Advocates; Environmental Business Associates of NY State; Hudson Valley Community College; Main Care Energy; Monohansen Central School District; New York Power Authority; New York Propane Gas Association; New York State Department of Motor Vehicles; New York State Department of Transportation; New York State Dept. of Environmental Conservation; New York State Electric & Gas Corporation; New York State Energy Research and Dev. Authority; New York State Office of General Services; New York State Thruway Authority; Niagara Mohawk Power Company; Plug Power; Schalmont Central School District; Schenectady City School District; Schenectady County; Shenendehowa Central School District; Sisters of Saint Joseph; Solectria Corporation; South Colonie Central School District; Star and Strand Transportation; State University of New York at Albany; Town of Colonie; U.S. Department of Energy; U.S. Postal Service; and United Parcel Service.

Significant Stakeholders Added Since Designation

None at this time.

Clean Cities Coordinator

Stacey Hughes Niagara Mohawk Power Corporation 21 British-American Boulevard Latham, NY 12110

Phone: (518) 782-2023 Fax: (518) 782-2055 E-mail: hughess@nimo.com

Coalition Web Site

None at this time.

A-106 October 1999

Clean Communities of Central New York

Designation Number	Date	Participating DOE Official
36	June 25, 1995	Jeffrey Hardy, Co-Director Clean Cities Program

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	55	102	5	9
Propane	10	5	1	10
Electric	15	36	-	2
Total	80	143	6	21

Achievements

In 1998, Clean Communities of Central New York (CCCNY) joined the Syracuse Metropolitan Transportation Council to open a CNG refueling station at the Central New York Regional Transportation Authority (CNYRTA). The refueling station is one of the largest of its kind in the Northeast, and will be used by CNYRTA's CNG transit buses, as well as by other area private agency fleets.

In 1998, CCCNY sponsored and obtained a CMAQ grant of \$1.3 million for the Onondaga County Community College to include an Alternative Fuel Training Unit as part of their Advanced Technical Training Center. This training unit has been certified by the University of West Virginia as part of the National Alternative Fuels Training Program network. Niagara Mohawk Power Corporation donated three alternative fuel vehicles to the Community College for use in the program.

Grants Received

The State of New York received a 1995 NOPI grant of \$87,000 to support Clean Cities activities across New York State, including the expansion of a CNG refueling facility in Syracuse.

Funds totaling \$229,939 from petroleum overcharge funds were awarded to the city of Syracuse, Onondaga, and Syracuse City School District for CNG light duty vehicles.

Special Projects and Upcoming Events

CCCNY has designed a website and is looking to bring that online in the near future.

Original Stakeholders List

Eighteen stakeholders including: the city of Syracuse; Onondaga County; Central New York Regional Transportation Authority; city of Syracuse School District; North Syracuse Central School District; Syracuse Housing Authority; Syracuse Metropolitan Transportation Council; New York State Department of Transportation; New York State Energy Research and Development Authority (NYSERDA); New York State Thruway Authority; Energy Gases, Inc.; Mohawk Valley Oil, Inc; Niagara Mohawk Power Corporation; Time Warner Cable TV; United Parcel Service; U.S. GSA; U.S. Postal Service; and U.S. DOE.

A-107 October 1999

Clean Communities of Central New York

Significant Stakeholders Added Since Designation

Onondaga Community College.

Clean Cities Coordinator

Joe Barry, Coordinator Syracuse Metropolitan Transportation Council 100 Clinton Square, 126 North Salina Street, Suite 100 Syracuse, NY 13202

Phone: (315) 422-5716 Fax: (315) 422-7753 E-mail: CkingSMTC@aol.com

Coalition Web Site

None at this time.

CCCNY Coordinator Joe Barry (right)
presents a check to Walt Neuhauser of the
Onondaga Water & Soil Conservation
District for the CNY Regional Envirothon



A-108 October 1999

Genesee Region Clean Communities

Designation Number	Date	Participating DOE Official
62	May 28, 1998	Hugh Saussy, Jr., Director, Boston Regional Support Office

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	42	72	6	13
Propane	30	33	5	5
Methanol	2	-	2	2
Electric	71	100	35	41
Total	145	205	48	61

Achievements

The Genesee Region Clean Communities was the fifth region in New York State to join the Clean Cities Program in May 1998. The program began with a population of 145 AFVs and 48 refueling stations.

Grants Received

None at this time.

Special Projects and Upcoming Events

The City of Rochester is working on a CNG refueling station to serve the City of Rochester, as well as local municipalities and the area's State fleets. The City plans to increase its CNG fleet by 3 to 5 vehicles per year, with either OEM bi-fuel or dedicated CNG vehicles.

Original Stakeholders List

Twenty stakeholders including: American Lung Association; Burnwell Gas Corporation; City of Rochester; County of Monroe; Eastman Kodak Company; Electric Grand Prix Corporation; Genesee Transportation Council; Genesee Truck Sales; Monroe Community College; Monroe County Supervisors Association; New York State Electric & Gas Corporation; New York State Electric Auto Association; Pittsford Central School District; Regional Transit Service; Rochester Gas and Electric Corporation; Rochester Institute of Technology; Town of Brighton; Town of Parma; U.S. Department of Energy; and VanderStyne Ford.

Significant Stakeholders Added Since Designation

Harbec Plastics and New York State Fish Hatchery.

A-109 October 1999

Genesee Region Clean Communities

Clean Cities Coordinator

Paul Heaney, Clean Cities Coordinator Genesee Region Clean Communities 364 Lanning Road Honeoye Falls, NY 14472-9741

Phone: (716) 624-8182 Fax: (716) 624-8182

E-mail:

Former Clean Cities Director Jeff Hardy (left) and Genesee Region Clean Communities Coordinator Paul Heaney



Coalition Web Site

None at this time.

A-110 October 1999

Greater Long Island Clean Cities Program

The Long Island Clean Cities Program is the fourth New York-based coalition to join the Clean Cities Program.

Designation Number	Date	Participating DOE Official
51	October 18, 1996	Thomas J. Gross, Deputy Assistant Secretary for Transportation Technologies

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	-	520	-	13
Propane	-	80	-	8
Electric	-	41	-	-
Fuel Unspecified	270	-	20	-
Total	270	641	20	21

Achievements

In December 1998, the Greater Long Island Clean Cities Coalition (GLICCC) held its first Alternative Fuel Vehicle Funding and Acquisition Clinic. This "how-to" workshop was developed to inform fleet operators and owners of the 1998 funding opportunities available for AFVs on Long Island, and included information on grant programs and tax incentives available from the federal and state governments, fuel providers, and vehicle manufacturers. A ride-and-drive was also held, and local dealers were on hand to discuss vehicle offerings, delivery dates, and costs. Over 160 people attended the event, which was covered by local television and newspapers.

GLICCC stakeholders were active in lobbying the New York State Senate and

Thomas Gross Presents Donna Tumminello with her Clean Cities Designation Certificate



New York State Assembly to repeal a 25-year-old moratorium on liquefied natural gas vehicles and refueling infrastructure. The moratorium was repealed early in 1999.

In 1997, GLICCC was instrumental in educating New York State lawmakers about the need for an AFV tax incentive package. The resulting legislation was among the most progressive in the nation, providing fleet owners and managers with tax credits up to \$5,000 for electric vehicles, tax credits of 60% of the incremental cost of an AFV, and tax credits of 50% of infrastructure costs. For this accomplishment, DOE honored the GLICCC in 1998 with its Clean Cities "Legal Eagle Award".

A-111 October 1999

Greater Long Island Clean Cities Program

Grants Received

In 1999, the Long Island area received a \$100,000 SEP grant to place 12 dual fuel CNG heavy-duty trucks in a private beverage delivery fleet.

Special Projects and Upcoming Events

GLICCC has finalized plans for a heavy-duty project with Clare Rose, a local beverage distributor. Clare Rose plans to convert their entire delivery fleet of 35 vehicles located in Hauppauge, New York. The first ten will be completed by June 1999 and will fuel using a mobile compressor loaned from Keyspan Energy Corporation.

Original Stakeholders List

Forty-nine stakeholders including: the towns of Babylon, Hempstead, Huntington, Islip, North Hempstead, and Oyster Bay; Allstate Insurance Company; American Lung Association; Audell/Bennett Bottled Gas; Baumann and Sons Buses, Inc.; Brookhaven National Laboratory; CNG Corporation; CPC Baking Business; Cablevision Systems Corporation; Dowling College; EDO Energy Corporation; Fenley and Nicol Environmental; Frisby Technologies; Hofstra University; Long Island Lighting Company; Long Island Regional Planning Board; Long Island Research Institute; MTA/Long Island Bus Authority; NYNEX Corporation; Nassau County; National Propane Corporation; Neocon Technologies; New York State Department of Environmental Conservation; New York State Department of Transportation; New York State Energy Research and Development Authority; Northeast Energy Equipment; ProGas; RAD Oil Company, Inc.; State University of New York at Farmingdale; State University of New York at Stony Brook; Strategic Partnership for Industrial Resurgence; Suffolk County; Suffolk County Water Authority; Trius, Inc.; U.S. Postal Service; United Parcel Service; Walter Gorman Consulting Engineers; Welsh Technologies, Inc; and U.S. Department of Energy.

Significant Stakeholders Added Since Designation

Atlantic Bottled Gas Company; Clare Rose Inc.; Pilgrim State Psychiatric Center; Port Authority of New York & New Jersey; South Farmingdale Water District; Town of Brookhaven; and Village of Hempstead.

Clean Cities Coordinator

Anne Dillenbeck, Clean Cities Coordinator Greater Long Island Clean Cities Coalition P.O. Box 170

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Coalition Web Site

None at this time.

A-112 October 1999

Clean Communities of Western New York

Designation Number	Date	Participating DOE Official	
27	November 4, 1994	Susan F. Tierney, Assistant Secretary, Office of Policy	

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	430	490	6	7
Propane	100	160	3	14
Total	530	650	9	21

Achievements

In 1998, the Clean Communities of Western New York (CCWNY) completed a survey of fleets in the area around the Buffalo Niagara International Airport. The survey was created to tell about the types and numbers of vehicles in the area, to assess how much they use AFVs, how much they know about AFVs, and to share the results with other partners, such as the Niagara Frontier Transportation Authority.

In 1997, CCWNY was instrumental in establishing a CNG refueling site at the State University of New York at Buffalo, Amherst Campus.. The facility was constructed with funds secured from the New York State Energy Research & Development Authority

Coordinator William Pauly Speaks at CCWNY Designation



(NYSERDA), New York State, and Erie County. The station will serve 25-30 vehicles initially, with the possibility of expansion to accommodate more vehicles if needed.

Grants Received

The CCWNY area was awarded \$345,000 in matching funds via the NYSERDA and the former New York State Energy Office to develop a CNG refueling station in Amherst, NY.

Special Projects and Upcoming Events

CCWNY will be examining the possibility of installing alternative fuel refueling infrastructure at the Buffalo Niagara International Airport and at the Peace Bridge Authority.

Original Stakeholders List

Twenty-one stakeholders including: the Erie County Legislature; city of Buffalo, city of Tonawanda; town of Tonawanda; town of Amherst; town of Cheektowaga; Village of Kenmore; New York State Energy Office; Niagara County Legislature; Association of Erie County Governments; Erie County Association of Villages; Sweet Home Central School District; Amherst Central School District; State University of New York (SUNY) at Buffalo; Erie County Industrial Development Agency; Burnwell Gas of Alden; Aurora

A-113 October 1999

Clean Communities of Western New York

Technology Corporation; National Fuel; Tonawanda Truck Repair; Niagara Mohawk Power Company; and U.S. DOE.

Significant Stakeholders Added Since Designation

American Lung Association; Amherst Industrial Development Agency; Blue Bird Coach Lines; Buffalo Municipal Housing Authority; City of Niagara Falls; County of Erie; Kenmore/Town of Tonawanda School District; Laidlaw Bus Company; New York State Energy Research & Development Authority; Niagara County Dept. of Planning Dev. & Env. Services; Niagara County Highway Department; Niagara Frontier Transit Authority; Niagara Frontier Transportation Committee (NFTC); and Williamsville Village Office.

Clean Cities Coordinator

William Pauly Erie County Legislature 3131 Sheridan Drive Amherst, NY 14226-1977 Phone: (716) 836-0198 Fax: (716) 836-0199

E-mail: legis14@aol.com

Coalition Web Site

http://members.aol.com/Legis14/clean.htm

A-114 October 1999

White Plains Clean Cities Program

Designation Number	Date	Participating DOE Official
17	October 4, 1994	Peter Fox-Penner, Principal Deputy Assistant
		Secretary, Energy Efficiency and Renewable Energy

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	-	9	-	1
Propane	-	2	-	-
Methanol	-	1	-	1
Ethanol	-	4	-	1
Electric	-	6	-	3
Fuel Unspecified	4	279	1	-
Total	4	301	1	6

Achievements

Of its fleet of 380 vehicles, the City of White Plains has eight alternative fuel vehicles (CNG street sweepers, flex-fuel, and electric vehicles) under the Department of Public Works. Along with these vehicles are CNG, ethanol, and methanol refueling stations and electric recharging stations. The City is awaiting delivery of four more flexible-fuel vehicles and a second CNG street sweeper.

Grants Received

None at this time.

Special Projects and Upcoming Events

Nothing currently planned.

Original Stakeholders List

Twenty-six stakeholders including: the city of White Plains; New York State Energy Office; New York State Energy Research & Development Authority; New York State Department of Environmental Conservation; New York Power Authority; New York State Thruway Authority; New York State Office of Mental Retardation & Developmental Disabilities; White Plains Public Schools; American Red Cross-Westchester County Chapter; Consolidated Edison; American Methanol Institute; Northeast States for Coordinated Air Use Management; Atlantic Detroit Diesel Allison; Bauer Compressors, Inc.; Caterpillar, Inc.; Cummins Engine Company; EDO Energy Corporation; Ford Motor Company; Hercules Engine Company; New Energy Company of Indiana; Sanita & Company, Inc.; Volkswagen of America, Inc.; White Plains Bus Company; U.S. EPA-Region II; U.S. Postal Service; and U.S. DOE.

A-115 October 1999

White Plains Clean Cities Program

Significant Stakeholders Added Since Designation

None at this time.

Clean Cities Coordinator

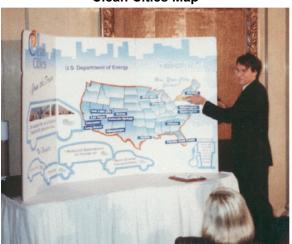
Joseph Nicoletti, Jr., Commissioner Department of Public Works City of White Plains 255 Main Street White Plains, NY 10601-2409

Phone: (914) 422-1210 Fax: (914) 422-1469 E-mail: modela@cloud9.net

Coalition Web Site

None at this time.

Peter Fox-Penner Places White Plains on the Clean Cities Map



A-116 October 1999

Red River Valley Clean Cities Program

Designation Number	Date	Participating DOE Official
63	August 10, 1998	Thomas Gross, Deputy Assistant Secretary for Transportation Technologies

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	-	25	12	18
Propane	-	250	64	64
Methanol	-	5	-	-
Ethanol	-	125	3	7
Electric	-	10	-	-
Fuel Unspecified	128	-	-	-
Total	128	415	79	89

Achievements

The Red River Valley Clean Cities Coalition (RRVCC) has collaborated with the Grand Forks Chrysler Center in an effort to educate the Center's sales staff about alternative fuels and to promote Chrysler's ethanol-capable minivans. One of the promotional efforts included a "Fill'er Up Free on E85", whereby a purchaser of an ethanol Chrysler minivan received a coupon for a free tankful of ethanol. The Center helped sponsor the RRVCC designation in 1998 and will continue to use the RRVCC logo and message in its newspaper advertisements.

The RRVCC performed a trial education/promotion campaign in 1998. Among the promotional activities were the following: a lighted RRVCC sign

EERC Director Dr. Gerald H. Groenewold (left), former RRVCC Coordinator Tim Gerlach (center), and DOE's Tom Gross (right)



listing all the alternative fuels was placed at the Grand Forks International Airport; slides about RRVCC and alternative fuels were placed in the previews shown before movies at Greater Grand Forks area theaters; "tent" card displays with RRVCC and alternative fuels information were placed on the tables of local restaurants; and signs reading "Still Using Gasoline or Diesel?" were placed on Fargo-Moorhead and Grand Forks transit buses.

The City of Winnipeg joined the region's alternative fuel efforts in 1998, with the help of Winnipeg Mayor Glen Murray. The Winnipeg area is home to a growing alternative fuels industry, including Kraus Group (natural gas refueling infrastructure designers and builders) and New Flyer (a natural gas and hydrogen bus manufacturer).

A-117 October 1999

Red River Valley Clean Cities Program

Grants Received

The Red River Valley received an SEP grant in 1998 of \$20,000 to provide support for the Clean Cities Coordinator.

Special Projects and Upcoming Events

At the 1999 Pan-American Games in Winnipeg, the RRVCC plans to provide high visibility for alternative fuels. The athletes will be transported between the games in Winnipeg and their hotels in Grand Forks using four University of North Dakota biodiesel buses. In addition, Global Electric MotorCars (an RRVCC stakeholder) will provide the University with a neighborhood electric vehicle to transport athletes, trainers, and officials around the campus.

The RRVCC plans to create a coalition website, with the assistance of a Winnipeg high school class.

Original Stakeholders List

Twenty-seven stakeholders including: Alchem Ethanol; Canada Post Corporation; Canadian Forces Base Winnipeg; Centra Energy Services; City of East Grand Forks; City of Grand Forks; City of Winnipeg; East Grand Forks Public Schools; Energy & Environmental Research Center (EERC); Global Electric MotorCars; Grand Forks Air Force Base; Grand Forks Chamber of Commerce; Grand Forks Chrysler Center; Minnesota Corn Growers Association; National Alternative Fuels Laboratory (USDA); National Ethanol Vehicle Coalition; North Dakota Corn Utilization Council; North Dakota State Energy Program; North Dakota State Fleet; Northern States Power Company; Northwest Technical College; Suburban Propane; The Kraus Group; U.S. Department of Agriculture; U.S. Department of Energy; U.S. Postal Service; and University of North Dakota.

Significant Stakeholders Added Since Designation

None at this time.

Clean Cities Coordinator

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E-mail: cpurfeerst@eerc.und.nodak.edu

Coalition Web Site

None at this time.

A-118 October 1999

Northeast Ohio Clean Cities Program

Designation Number	Date	Participating DOE Official
74	September 14, 1999	David Leiter, Principal Deputy Assistant Secretary for
		Energy Efficiency and Renewable Energy

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	1,088	1,099	15	15
Propane	266	268	7	7
Ethanol	90	121	-	-
Electric	2	7	-	-
Total	1,446	1,495	22	22

Achievements

The Greater Cleveland Regional Transit Authority is the public transit agency for Cuyahoga County. They maintain two CNG refueling stations in the Cleveland area, along with a fleet of 166 CNG transit buses. This is one of the largest alternative fuel transit fleets in the country.

East Ohio Gas operates the largest AFV fleet in Northeast Ohio, with 681 vehicles. They also operate seven public CNG refueling stations, and offer CNG station financing, construction management, temporary refueling facilities, technical assistance, and vehicle conversion training.

Alternative Fuel Vehicles at the Northeast Ohio Designation Ceremony



NASA's Glenn Research Center operates a fleet of 14 CNG vehicles in its fleet, and has conducted a series of automotive projects aimed at reducing emissions, improving fuel mileage, and using alternative fuels, including a natural gas powered hybrid electric bus project. In 1999, the Glenn Research Center and the East Ohio Gas Company jointly won the Federal Energy and Water Reclamation award for procuring and expanding the use of an on-site natural gas refueling facility.

The Sisters of St. Joseph, a convent in Cleveland, has recently purchased a CNG Honda Civic GX.

Grants Received

The Ohio Department of Administrative Services received a 1995 NOPI grant of \$62,000 for a project to assist the State of Ohio's efforts in establishing a statewide network of publicly accessible alternative fuel refueling and recharging stations along state and interstate routes. The Northeast Ohio Clean Cities Coalition has received three grants to help administer its program: \$20,000 from the Ohio Department of Development, \$20,000 from the Consolidated Natural Gas Foundation, and \$2,000 from the S. Livingston Mather Charitable Trust.

A-119 October 1999

Northeast Ohio Clean Cities Program

Through the DOE Clean Cities National Parks efforts in conjunction with the Department of Interior, the Northeast Ohio region was awarded funding in 1999 to support two infrastructure projects in the area: \$5,000 for a CNG FuelMaker in the Cuyahoga Valley National Recreational Area, and \$1,000 for electric cart rechargers at Perry's Victory Monument in Put-in-Bay.

Special Projects and Upcoming Events

The Greater Cleveland RTA is planning to purchase another 45 CNG transit buses, citing health benefits and public support. This will bring their CNG fleet to 211 bises.

The U.S. Postal Service plans to take delivery of 95 E85 vehicles and as many as 50 CNG vehicles in 1999-2000, to add to their 56 CNG vehicle fleet.

Original Stakeholders List

Thirty stakeholders including Air Surrey Natural Gas Vehicles; Akron Metro Regional Transit Authority; Alternative Fuels Equipment Company; AmeriCab; Boyle Industries; City of Cleveland; Cleveland Metroparks; Cuyahoga County Board of Commissioners; Cuyahoga County Mayors & City Managers Association; Cuyahoga Valley National Recreation Area; DaimlerChrysler Corporation; East Ohio Gas Company; Ford Motor Company; Greater Cleveland Regional Transit Authority; Greg Sweet Ford; LAKETRAN; Motorcars Group; NASA; NESC Williams; Northeast Ohio Areawide Coordinating Agency; Ohio Corn Marketing Program; Ohio Department of Development; Ohio Department of Transportation; Ohio Natural Gas Vehicle Coalition; Sisters of St. Joseph; Swagelok; The Earth Day Coalition; U.S. Cargo & Courier; U.S. Department of Energy; and U.S. Postal Service.

Significant Stakeholders Added Since Designation

None to date.

Clean Cities Coordinator

Ms. Erin Russell Clean Cities Coordinator The Earth Day Coalition 3606 Bridge Avenue Cleveland, OH 44113 Phone: (216) 281-6468

FAX: (216) 281-5112

E-mail: erussell@earthdaycoalition.org

Coalition Web Site

http://www.earthdaycoalition.org

A-120 October 1999

Tri-State Alternative Fuels Coalition

Designation Number	Date	Participating DOE Official
53	January 29, 1997	Brian T. Castelli, Chief of Staff, Energy Efficiency and Renewable Energy

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	-	794	-	16
Propane	-	237	-	9
Ethanol	-	2	-	1
Electric	-	3	-	1
Fuel Unspecified	290	-	13	-
Total	290	1,036	13	27

Achievements

In September 1997, the National Association of Fleet Administrators held a ride-and-drive in Cincinnati. The event attracted over 200 attendees interested in alternative fuels.

Grants Received

The Ohio Department of Administrative Services received a 1995 NOPI grant of \$62,000 for a project to assist the State of Ohio's efforts in establishing a statewide network of publicly accessible alternative fuel refueling and recharging stations along state and interstate routes. In 1997, the Tri-State area (along with Kentucky and Evansville, IN) received a \$200,000 SEP grant to construct CNG and ethanol stations and convert vehicles. In 1998, the Tri-State Clean Cities Coalition received a \$20,000 SEP grant to cover administrative costs, including a marketing plan.

Biodiesel Bus operated by Southwestern Ohio Regional Transit Administration (Metro)



Special Projects and Upcoming Events

None currently planned.

Original Stakeholders List

Twenty-nine stakeholders including: the cities of Cincinnati and Fairfield; Air Technologies, Inc.; Boone County Environmental Management; Butler County Environmental Services; Cincinnati Bell Telephone; Cinergy Corporation; Cincinnati Milacron, Inc.; Coca-Cola Bottling Company; GE Aircraft Engines; Hamilton County, Ohio; IMW Atlas Industries, Inc.; Kentucky Clean Fuels Coalition; Kentucky Division of Energy; Queen City Metro; Miami University Physical Facilities Department; Natural Gas Conversions, Inc.;

A-121 October 1999

Tri-State Alternative Fuels Coalition

Northern Kentucky Chamber of Commerce; Ohio Corn Growers Association; Ohio-Kentucky-Indiana Regional Council of Governments; Parker Hannifin Corporation; State of Ohio-Office of Energy Services; Texas Gas Transmission; Thermogas Company; The Greater Cincinnati Chamber of Commerce; Transit Authority of Northern Kentucky; University of Cincinnati; U.S. Postal Service; and Williams' Engine Design Company.

Significant Stakeholders Added Since Designation

None.

Clean Cities Coordinator

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Coalition Web Site

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A-122 October 1999

Central Oklahoma Clean Cities Program

Designation Number	Date	Participating DOE Official
48	May 29, 1996	Brian T. Castelli, Chief of Staff, Energy Efficiency and Renewable Energy

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	770	1,476	55	108
Propane	2,110	4,144	120	153
Ethanol	-	217	-	-
Electric	100	13	5	52
Total	2,980	5,850	180	313

Achievements

Tinker Air Force Base is Oklahoma's largest single employer, and houses the largest alternative fuel vehicle fleet in the Defense Department. Over half of the base's 1,000 vehicles are powered by CNG, propane, or electricity. This includes 270 cars, trucks, and buses that operate on CNG, and almost 300 tugs, forklifts, and utility carts operating on propane or electricity.

In April 1998, an Alternative Fuel Vehicle Fair was held at Edmond Memorial High School in Edmond, OK to introduce students and teachers to AFV technology. Among the events was an AFV poster contest sponsored by Oklahoma Gas & Electric. The fair was sponsored by the Central Oklahoma Clean Cities Coalition as part of its "Kids for Clean Cities"

Maj. Gen. Charles Perez with a CNG Ford Contour at Tinker Air Force Base



program. The program began as a way to teach middle school students about alternative fuels and air quality issues, but the program has expanded to high school students as well.

In August 1998, the Central Oklahoma Clean Cities Coalition published "Clean Cities", a 26-page magazine used to promote alternative fuel vehicles and infrastructure in Central Oklahoma. This magazine was written and photographed by high school journalism and English students at Edmond Memorial High School as part of the "Kids for Clean Cities" program.

Whinery's Off-Airport Parking converted 5 of its 7 shuttle vans to CNG, and is experiencing a 75% reduction in fuel costs and a 60% reduction in maintenance costs over using gasoline. The company's transition to CNG was helped by Oklahoma's 50% tax rebate for converting vehicles to alternative fuels. The company's owner is currently running his personal truck on CNG as well.

A-123 October 1999

Central Oklahoma Clean Cities Program

Grants Received

In 1996, the Central Oklahoma Clean Cities Coalition received a \$50,000 SEP grant to assist them in conducting a number of outreach activities. In 1999, Oklahoma City received a \$62,400 SEP grant to convert 20 light-duty vehicles to CNG at Will Rogers Airport.

Special Projects and Upcoming Events

In 1999, the Central Oklahoma Clean Cities Coalition plans the introduction of four public-access CNG refueling stations at Oklahoma Natural Gas Company service centers in Enid, Anandarko, Pauls Valley, and Shawnee. In addition, the Coalition plans to expand the CNG and electric refueling infrastructure at Will Rogers World Airport.

Original Stakeholders List

Forty-nine stakeholders including: Association of Central Oklahoma Governments; Airport Express; American Lung Association; Briscoe's LP Gas Service Co., Inc.; Central Oklahoma Transportation and Parking Authority; Choctaw Nicoma Park Public Schools; city of Oklahoma City; Conoco, Inc.; Corken International; DRV Energy, Inc.; Edmond Public Schools; Floor Coverings International; Francis Tuttle Vehicle Training Center; Keep Oklahoma Beautiful; League of Women Voters; Love's Country Stores; the Metro Journal; Moore Public Schools; Natural Gas Vehicle Coalition of Oklahoma; Office of the Governor; Office of the Secretary of Energy; Office of the Secretary of Environment; Oklahoma Alternative Fuels Program; Oklahoma Baptist University; Oklahoma City Chamber of Commerce; Oklahoma City Public Schools; Oklahoma City Treebank Foundation; Oklahoma Coalition for Clean Air; Oklahoma Corporation Commission; Oklahoma Department of Commerce; Oklahoma Department of Environmental Quality; Oklahoma Federal Executive Board: Oklahoma Gas and Electric: Oklahoma General Services Administration; Oklahoma Geological Survey; Oklahoma LP Gas Administration; Oklahoma Natural Gas; Oklahoma Office of State Finance; Oklahoma Propane Gas Association; Oklahoma State Motor Pool; Putman City Public Schools; Sales Equipment Co.; Tinker Air Force Base; United Parcel Service; University of Oklahoma; U.S. Department of Energy; U.S. Postal Service; Weatherford Enterra Conversion Company; and Whinery's Off-Airport Parking.

Significant Stakeholders Added Since Designation

City of Midwest City; CSW Total EV; Daily Oklahoman; and Oklahoma City Airport Trust.

Clean Cities Coordinator

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Coalition Web Site

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A-124 October 1999

Tulsa Area Clean Cities Program

Designation Number	Date	Participating DOE Official
57	September 22, 1997	Joe Romm, Acting Assistant Secretary for Energy Efficiency and Renewable Energy

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	1,656	2,811	68	122
Propane	2,151	3,452	97	149
Electric	7	32	3	7
Total	3,814	6,295	168	278

Achievements

The Tulsa Public School District has been incorporating alternative fuel vehicles into its fleet since 1998. In 1998 alone, the school district purchased 104 new AFVs, bringing its AFV fleet to 190. Of these vehicles, 147 are CNG school buses. The school district's CNG fleet, including school bus, maintenance, and driver education vehicles, represents one of the nation's largest alternative fuel fleets. The fleet is maintained by a crew of 32 certified AFV technicians. At the Fifth National Clean Cities Conference, the school district received a 1999 Clean Cities National Partner Award for these achievements.

Tulsa's Ozone Alert! Program has received national recognition for its voluntary efforts to reduce automobile emissions, of which Clean Cities is a part. Other measures include an alternative fuel

Larry Rodriguez (left, of Tulsa Public Schools) receives the National Partner Award from Dan Reicher (center) and Dan Deaton (right) of DOE



vanpool program, school poster contests, workshops to encourage local employers to participate in clean air activities, and free bus rides and express route bus service to encourage public transportation use on Ozone Alert! days.

Grants Received

In 1997, the Tulsa area received a \$50,000 SEP grant to install new Jasper dedicated CNG engines in 7 existing CNG school buses with Hercules CNG engines. In 1999, the Tulsa area received a \$50,000 SEP grant to replace more Hercules CNG engines with new CNG engines.

Special Projects and Upcoming Events

None planned at this time.

A-125 October 1999

Tulsa Area Clean Cities Program

Original Stakeholders List

Forty-one stakeholders including: AAA Auto Club of Oklahoma; American Airlines; American Lung Association; Boeing; Citizen Action for a Safe Environment; City of Tulsa; Committee on the Int'l Decade of Indigenous People; DRV Energy, Inc.; Environmental Public Relations, Inc.; FUELMAN of Oklahoma, Inc.; Indian Nations Council of Governments; Keep Oklahoma Beautiful; Metropolitan Tulsa Chamber of Commerce; Metropolitan Tulsa Transit Authority; Natural Gas Vehicle Coalition of Oklahoma; Oklahoma Alternative Fuels Program; Oklahoma Department of Commerce; Oklahoma Department of Environmental Quality; Oklahoma Department of Transportation; Oklahoma Gas and Electric; Oklahoma Natural Gas; Oklahoma Office of the Governor; Oklahoma Office of the Secretary of Environment; Oklahoma Propane Gas Association; PERCEFULL Company; Public Service Company of Oklahoma; The Metropolitan Environmental Trust; The Williams Companies, Inc.; Thermogas Company; Tom Gorman Company; Tulsa Airports Authority; Tulsa County; Tulsa Gas Technologies, Inc.; Tulsa Public Schools; Tulsa Technology Center; U.S. Department of Energy; U.S. Environmental Protection Agency; U.S. General Services Administration; U.S. Postal Service; United Parcel Service; and University of Tulsa.

Significant Stakeholders Added Since Designation

None.

Clean Cities Coordinator

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Coalition Web Site

http://www.incog.org/Clean%20Cities.html

A-126 October 1999

Columbia/Willamette (Portland) Clean Cities Program

Designation Number	Date	Participating DOE Official
28	November 10, 1994	Peter Fox-Penner, Principal Deputy Assistant Secretary Energy Efficiency and Renewable Energy

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	12	314	5	23
LNG	10	12	1	2
Propane	155	150	1	-
Methanol	-	140	-	-
Ethanol	15	-	1	-
Electric	-	8	-	5
Total	192	624	8	30

Achievements

In 1996, the City of Portland installed electric vehicle rechargers throughout the City. A total of four rechargers were deployed, and the deployment received favorable press coverage.

The Port of Portland operates six CNG shuttle buses at the Portland International Airport. These buses refuel at a CNG fueling station that had already been installed for light-duty vehicles at the airport. Plans call for all of the shuttle bus fleet to be converted to CNG.

The Portland School District began converting its bus fleet to propane in 1983, and they currently have over 100 propane-powered school buses. The school district's main bus contractor, Laidlaw, operates another 260 propane vehicles. These vehicles travel almost 3.5 million miles per year on propane.

Propane Delivery Truck Operated by U.S. Bakery (Franz)



The United States Bakery (based in Portland) operates a fleet of 140 propane-powered vans for bread delivery across Oregon. These vehicles travel over 38,000 miles per week. The bakery has seen a drastic improvement in the fleet's conformance to federal and state emissions standards, from a 10% failure rate with gasoline to just 3 failures out of 400 tests of the propane vehicles.

A-127 October 1999

Columbia/Willamette (Portland) Clean Cities Program

Grants Received

In 1995, the Portland area was awarded (along with the Rogue Valley area) a NOPI grant of \$114,000 to develop, promote, and implement Clean Cities in the Rogue Valley and Portland areas to promote alternative fuels to future Clean Cities. In 1999, the Portland area received two SEP grants: one for \$20,000 to conduct the Oregon Clean Cities Regional Alternative Fuels Conference; and one for \$93,853 to purchase 1 CNG shuttle bus and 4 electric station cars for the Portland Airport & Amtrak stations.

Special Projects and Upcoming Events

The Columbia/Willamette Clean Cities Coalition plans to expand its membership (including an expanded role in Vancouver, Washington) and to expand its activities through the formation of a number of committees (Education, Outreach, Legislation, and Finance).

Original Stakeholders List

Sixteen stakeholders including: the city of Portland; Multnomah County; Oregon Department of Energy; Oregon Department of Environmental Quality; Oregon Department of Administrative Services; NW Renewable Fuels Council; Tri-County Metropolitan Transit District; Northwest Natural Gas; Pacific Gas & Electric; PacifiCorp; Oregon Roads Leasing; U.S. Bakery (Franz); U.S. EPA; U.S. GSA; U.S. Department of Veterans Affairs; and U.S. DOE.

Significant Stakeholders Added Since Designation

Laidlaw Transit; Oregon State University; Port of Portland; Portland General Electric Company; Portland Public Schools; Suburban Propane; U.S. Postal Service; and United Parcel Service.

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A-128 October 1999

Rogue Valley Clean Cities Program

Designation Number	Date	Participating DOE Official
21	October 21, 1994	John Russell, Director, Office of Transportation Utilization

Summary of AFVs and Infrastructure

Fuel Type	AFVs at Designation	Projected AFVs in 2000	Infrastructure at Designation	Projected Infrastructure in 2000
CNG	25	44	3	2
Propane	95	27	4	-
Electric	-	1	-	-
Fuel Unspecified	-	84	-	-
Total	120	156	7	2

Achievements

In November 1998, the Rogue Valley Clean Cities Coalition celebrated the dedication of the second fast-fill CNG refueling station to be established in the area. The station was designed and located to act as an incentive for other agencies to acquire AFVs for their fleets. It is located in downtown Medford, near police fleets and the U.S. Postal Service.

The Rogue Valley Transportation District (RVTD) operates a fleet of 10 CNG transit buses, as well as its own CNG refueling station. RVTD leases CNG paratransit vans to two local taxi companies and provides CNG refueling for them. In addition, the RVTD station provides CNG for two CNG pickup trucks operated by Jackson County.

Grants Received

In 1995, the Rogue Valley area was awarded (along with the Portland area) a NOPI grant of \$114,000 to develop, promote, and implement Clean Cities in the Rogue Valley and Portland areas to promote alternative fuels to future Clean Cities.

The Rogue Valley Transportation District was awarded a \$2.5 million Federal Transit Administration grant to purchase Oregon's first fleet of public transit buses fueled exclusively by CNG, as well as the construction of Oregon's first fast-fill natural gas fueling facility. This facility is capable of refueling a bus in 12 minutes.

Special Projects and Upcoming Events

None currently planned.

A-129 October 1999

Rogue Valley Clean Cities Program

Original Stakeholders List

Forty-seven stakeholders including: the county of Jackson, Oregon; city of Medford; city of Ashland; city of Central Point; city of Jacksonville; city of Eagle Point; city of Phoenix; city of Talent; State of Oregon Motor Pool; Oregon Department of Transportation; Oregon Department of Energy; Oregon Department of Environmental Quality; Jackson County Sheriff's Office; Jackson County Airport; Rogue Valley Transportation District; Rogue Valley Council of Governments; Medford Chamber of Commerce: Ashland Chamber of Commerce; Southern Oregon Regional Economic Development, Inc.; WP Natural Gas; Pacific Power & Light; The Gas Works/Rogue Recreation; Suburban Propane; Ferrellgas; Empire Gas; TCI Cablevision; Southern Oregon Heating and Air Conditioning; Modern Plumbing; Mayflower Contract Services; Pear Tree Center; Crater Lake Motors; Cascade Cab;

Scott Rayburn receives the "Triumph Over Adversity" award at the Third National Clean Cities Conference



Craig Transportation, Inc.; Metro Taxi; Rogue Transportation, Inc.; CNG Services; Rogue Waste Disposal Systems; Ashland Sanitary and Recycling Service; Medford Mail Tribune; Ashland Daily Tidings; United Parcel Service; ACCESS; South Oregon Goodwill Industries; U.S. EPA; U.S. GSA; U.S. Postal Service.; and U.S. DOE.

Significant Stakeholders Added Since Designation

American Lung Association; Central Point Chamber of Commerce; City of Shady Cove; Classic Trolley, Inc; Jacksonville Chamber of Commerce; Laidlaw Transit; Medford Visitors Convention Bureau; Providence Hospital; Rogue Valley Medical Center; and U.S. Postal Service.

Clean Cities Coordinator

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Coalition Web Site

None at this time.

A-130 October 1999